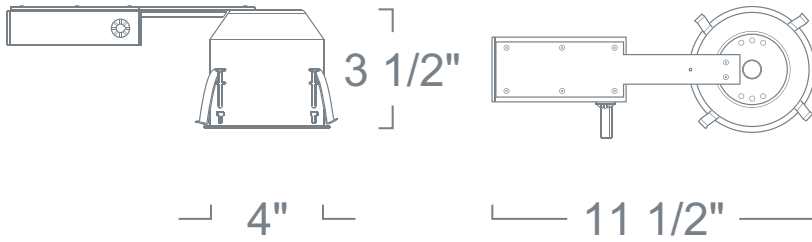


## Shallow Remodel Housing w/ Adjustable Pull Down

### LH1499 SERIES - 4" LOW VOLTAGE RECESSED LIGHTING



#### SPECIFICATION

Ceiling cut-out: 4 1/4"

**Application:** General purpose recessed downlight housing for low to medium height ceilings for residential and light commercial applications. A variety of trims, compatible styles and finishes are available to achieve the desired décor and illumination.

**Housing:** Pre-wired housing adjusts up to 1 1/4" ceiling thickness. This housing has torsion remodeling clips for secure installation. Integral thermal protector to guard against improper lamping and installation. Housing provides an adjustable socket plate which allows for use of different lamp types. Trim is secured with torsion wing springs/standard coil springs. Designed to be installed in existing sheet rock ceilings via ceiling cut out (above ceiling access is not required).

**Mounting:** Housing suitable for existing or new construction installations, supplied with high tension remodeling clips, designed to secure the housing to an existing sheetrock ceiling for fast and easy installation.

**Transformer:** Class 2 Noise-Free Electronic transformer installed adjacent to Junction Box, bottom and top accessible. Dimmable with dimmers designed for Electronic Low Voltage Loads. Thermally protected rated for 90° C.

**Socket:** 2-pin porcelain socket with aluminum heat sink plate. Lamp clips to trim to ensure proper and consistent positioning.

**Junction Box:** 16 gauge pre-wired aluminum Junction Box, suitable for through branch wiring for a maximum of (4) #12 AWG wires. Furnished with (2) 3/4" knock-outs. Screw-in or out covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

**Insulation Contact:** Non-IC rated housing must be kept 3" from insulation.

**Safety Labels:** ETL/CETL listed for through-branch wiring (8) No.12 AWG 90°C and suitable for damp locations. NYC approved: Calendar #41937.

**Label:** cETL Listed

#### FEATURE:



**Application:** The elbow design allows for full horizontal and vertical adjustability. With the lamp enclosed in the trim, annoying glares from back and sides of the trim are eliminated to provide visual comfort. Additional options are available that provide glare and optic control.

**Gasket:** Supplied with gasket to prevent light leakage and unsightly heat streaks on ceiling surface.

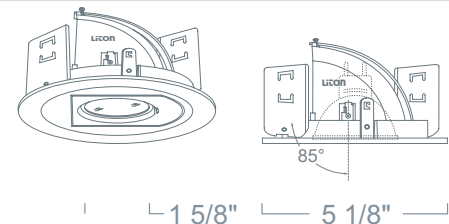
**Lens Inclusion:** Clear glass protective safety lens included in packaging.

**Mounting:** Steel pressure springs mounted on trim to ensure positive retention inside housing.

**Adjustability** Lamp can be tilted 85° degrees vertically and rotated 358° degrees horizontally.

**Accessories:** Takes (1) 2" Media.

**Label:** UL Listed, cETL Listed



#### SHALLOW REMODEL HOUSING

##### LSH1499R 12V Out 37W Max MR16

| RATING                | WATTAGE    | VOLTAGE                 | OPTION      |
|-----------------------|------------|-------------------------|-------------|
| LSH1499RE :Electronic | Blank :37W | Blank :120V             | Blank :None |
|                       |            | -27 :277V (Electronic*) |             |

\* Available with 120V/277V Magnetic Option, consult factory.

#### ADJUSTABLE PULL DOWN

##### LR1467 12V 75W Max MR16

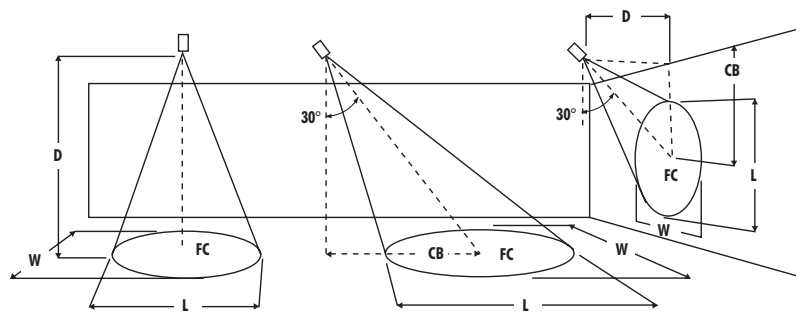
| FINISH                   |
|--------------------------|
| LR1467W :White           |
| LR1467B :Black           |
| LR1467N :Natural         |
| LR1467CO :Copper         |
| LR1467G :Gold            |
| LR1467MO :Mocha          |
| LR1467PB :Polished Brass |

Ordering example: LSH1499RE/LR1467N

Type :

Project :

Catalog # :



D : Distance to the horizontal or vertical surface.  
 FC : Initial foot candles at the center of the beam.  
 L : Length of the beam where candle power is reduced to 50% of center beam candle power.  
 W : Width of the beam where candle power is reduced to 50% of center beam candle power.  
 CB : Distance to the center of the beam.

Lamp data given is typical and is based on bare lamp performance. Contact lamp manufacturers for availability and specific performance. Distance, length, and width given in decimal feet.

### MR16 12V Halogen 2-Pin GX5.3



|                                                                                       | 0° Aiming Angle<br>Horizontal Foot candles |     |     |     | 30° Aiming Angle<br>Horizontal Foot candles |     |     |     |     | 30° Aiming Angle<br>Vertical Foot candles |     |     |     |      | 45° Aiming Angle<br>Vertical Foot candles |     |     |     |      |
|---------------------------------------------------------------------------------------|--------------------------------------------|-----|-----|-----|---------------------------------------------|-----|-----|-----|-----|-------------------------------------------|-----|-----|-----|------|-------------------------------------------|-----|-----|-----|------|
|                                                                                       | D                                          | FC  | L   | W   | D                                           | FC  | L   | W   | CB  | D                                         | FC  | L   | W   | CB   | D                                         | FC  | L   | W   | CB   |
| Q20 MR16 / C / VN5P7<br>Beam Spread = 7°<br>CBCP = 7,400<br>Rated Life = 3,000 Hrs.   | 6                                          | 215 | 0.7 | 0.7 | 6                                           | 140 | 0.8 | 0.7 | 3.5 | 2                                         | 243 | 0.9 | 0.5 | 3.5  | 3                                         | 304 | 0.7 | 0.4 | 3.0  |
|                                                                                       | 8                                          | 121 | 0.9 | 0.9 | 8                                           | 79  | 1.1 | 1.0 | 4.6 | 3                                         | 108 | 1.3 | 0.7 | 5.2  | 4                                         | 171 | 0.9 | 0.8 | 4.0  |
|                                                                                       | 10                                         | 77  | 1.1 | 1.1 | 10                                          | 50  | 1.2 | 1.2 | 5.8 | 4                                         | 61  | 1.8 | 0.9 | 6.9  | 5                                         | 110 | 1.2 | 1.0 | 5.0  |
|                                                                                       | 12                                         | 54  | 1.0 | 1.0 | 12                                          | 35  | 1.4 | 1.4 | 6.9 | 5                                         | 39  | 2.2 | 1.2 | 8.7  | 6                                         | 76  | 1.4 | 1.2 | 6.0  |
| Q20 MR16 / C / NSP15<br>Beam Spread = 15°<br>CBCP = 3,750<br>Rated Life = 5,000 Hrs.  | 4                                          | 237 | 0.9 | 0.9 | 4                                           | 154 | 1.2 | 1.1 | 2.3 | 1.5                                       | 263 | 1.1 | 0.6 | 2.6  | 4                                         | 374 | 0.8 | 0.6 | 2.0  |
|                                                                                       | 6                                          | 106 | 1.4 | 1.4 | 6                                           | 69  | 1.8 | 1.6 | 3.5 | 2.0                                       | 148 | 1.4 | 0.8 | 3.5  | 6                                         | 166 | 0.9 | 0.9 | 3.0  |
|                                                                                       | 8                                          | 59  | 1.8 | 1.8 | 8                                           | 39  | 2.4 | 2.2 | 4.6 | 2.5                                       | 95  | 1.8 | 0.9 | 4.3  | 8                                         | 94  | 1.2 | 1.2 | 4.0  |
|                                                                                       | 10                                         | 38  | 2.3 | 2.3 | 10                                          | 25  | 3.0 | 2.7 | 5.8 | 3.0                                       | 66  | 2.1 | 1.1 | 5.2  | 10                                        | 60  | 1.5 | 1.5 | 5.0  |
| Q20 MR16 / C / FL40<br>Beam Spread = 40°<br>CBCP = 525<br>Rated Life = 5,000 Hrs.     | 1.5                                        | 222 | 1.0 | 1.0 | 1.5                                         | 163 | 1.1 | 1.1 | 0.9 | 1.0                                       | 135 | 0.9 | 0.9 | 1.7  | 1.0                                       | 254 | 0.8 | 1.0 | 1.0  |
|                                                                                       | 2.0                                        | 125 | 1.3 | 1.3 | 2.0                                         | 92  | 1.4 | 1.4 | 1.2 | 1.5                                       | 60  | 1.4 | 1.3 | 2.6  | 1.5                                       | 113 | 1.1 | 1.5 | 1.0  |
|                                                                                       | 2.5                                        | 80  | 1.6 | 1.6 | 2.5                                         | 59  | 1.8 | 1.8 | 1.4 | 2.0                                       | 34  | 1.8 | 1.8 | 3.5  | 2.0                                       | 63  | 1.5 | 2.0 | 2.0  |
|                                                                                       | 3.0                                        | 56  | 2.0 | 2.0 | 3.0                                         | 41  | 2.1 | 2.1 | 1.7 | 2.5                                       | 22  | 2.3 | 2.3 | 4.3  | 2.5                                       | 41  | 1.9 | 2.5 | 2.5  |
| Q35 MR16 / C / SP20<br>Beam Spread = 20°<br>CBCP = 3,200<br>Rated Life = 5,000 Hrs.   | 3                                          | 356 | 1.0 | 1.0 | 3                                           | 231 | 1.3 | 1.1 | 1.7 | 1.5                                       | 223 | 1.4 | 0.9 | 2.6  | 2                                         | 305 | 1.2 | 0.9 | 2.0  |
|                                                                                       | 4                                          | 200 | 1.3 | 1.3 | 4                                           | 130 | 1.7 | 1.5 | 2.3 | 2.0                                       | 126 | 1.9 | 1.1 | 3.5  | 3                                         | 136 | 1.7 | 1.3 | 3.0  |
|                                                                                       | 5                                          | 128 | 1.6 | 1.6 | 5                                           | 83  | 2.1 | 1.9 | 2.9 | 2.5                                       | 80  | 2.4 | 1.4 | 4.3  | 4                                         | 76  | 2.3 | 1.8 | 4.0  |
|                                                                                       | 6                                          | 89  | 1.9 | 1.9 | 6                                           | 58  | 2.6 | 2.2 | 3.5 | 3.0                                       | 56  | 2.8 | 1.7 | 5.2  | 5                                         | 49  | 2.9 | 2.2 | 5.0  |
| Q35 MR16 / C / FL40<br>Beam Spread = 40°<br>CBCP = 1,000<br>Rated Life = 5,000 Hrs.   | 2                                          | 262 | 1.2 | 1.2 | 2                                           | 204 | 1.3 | 1.2 | 1.2 | 1.0                                       | 253 | 0.9 | 0.8 | 1.7  | 1.5                                       | 235 | 1.2 | 1.0 | 1.5  |
|                                                                                       | 3                                          | 116 | 1.8 | 1.8 | 3                                           | 91  | 2.0 | 1.8 | 1.7 | 1.5                                       | 112 | 1.4 | 1.2 | 2.6  | 2.0                                       | 132 | 1.5 | 1.3 | 2.0  |
|                                                                                       | 4                                          | 65  | 2.3 | 2.3 | 4                                           | 51  | 2.6 | 2.4 | 2.3 | 2.0                                       | 63  | 1.8 | 1.7 | 3.5  | 2.5                                       | 85  | 1.9 | 1.7 | 2.5  |
|                                                                                       | 5                                          | 42  | 2.9 | 2.9 | 5                                           | 33  | 3.3 | 3.0 | 2.9 | 2.5                                       | 40  | 2.3 | 2.1 | 4.3  | 3.0                                       | 59  | 2.3 | 2.0 | 3.0  |
| Q42 MR16 / C / VN5P9<br>Beam Spread = 9°<br>CBCP = 12,500<br>Rated Life = 3,500 Hrs.  | 6                                          | 347 | 0.8 | 0.8 | 6                                           | 226 | 1.0 | 0.9 | 3.5 | 2                                         | 415 | 1.0 | 0.6 | 3.5  | 4                                         | 276 | 1.1 | 0.7 | 4.0  |
|                                                                                       | 8                                          | 195 | 1.0 | 1.0 | 8                                           | 127 | 1.4 | 1.2 | 4.6 | 3                                         | 185 | 1.5 | 0.8 | 5.2  | 5                                         | 177 | 1.4 | 0.9 | 5.0  |
|                                                                                       | 10                                         | 125 | 1.3 | 1.3 | 10                                          | 81  | 1.7 | 1.4 | 5.8 | 4                                         | 104 | 2.0 | 1.1 | 6.9  | 6                                         | 123 | 1.7 | 1.1 | 6.0  |
|                                                                                       | 12                                         | 87  | 1.5 | 1.5 | 12                                          | 56  | 2.1 | 1.7 | 6.9 | 5                                         | 66  | 2.6 | 1.4 | 8.7  | 7                                         | 90  | 2.0 | 1.3 | 7.0  |
| Q50 MR16 / C / NSP15<br>Beam Spread = 15°<br>CBCP = 9,500<br>Rated Life = 6,000 Hrs.  | 6                                          | 264 | 1.5 | 1.5 | 6                                           | 171 | 1.9 | 1.7 | 3.5 | 2                                         | 361 | 1.5 | 1.5 | 3.5  | 4                                         | 229 | 1.7 | 1.2 | 4.0  |
|                                                                                       | 8                                          | 148 | 1.9 | 1.9 | 8                                           | 96  | 2.5 | 2.2 | 4.6 | 3                                         | 160 | 2.3 | 2.3 | 5.2  | 5                                         | 147 | 2.1 | 1.6 | 5.0  |
|                                                                                       | 10                                         | 95  | 2.4 | 2.4 | 10                                          | 62  | 3.1 | 2.8 | 5.8 | 4                                         | 90  | 3.0 | 3.0 | 6.9  | 6                                         | 102 | 2.5 | 1.9 | 6.0  |
|                                                                                       | 12                                         | 66  | 2.9 | 2.9 | 12                                          | 43  | 3.7 | 3.3 | 6.9 | 5                                         | 58  | 3.8 | 3.8 | 8.7  | 7                                         | 75  | 3.0 | 2.2 | 7.0  |
| Q50 MR16 / C / NFL25<br>Beam Spread = 25°<br>CBCP = 3,000<br>Rated Life = 6,000 Hrs.  | 3                                          | 322 | 1.2 | 1.2 | 3                                           | 212 | 1.6 | 1.4 | 1.7 | 1.5                                       | 220 | 1.7 | 1.1 | 2.6  | 2                                         | 282 | 1.4 | 1.1 | 2.0  |
|                                                                                       | 4                                          | 181 | 1.7 | 1.7 | 4                                           | 119 | 2.1 | 1.9 | 2.3 | 2.0                                       | 124 | 2.2 | 1.4 | 3.5  | 3                                         | 125 | 2.2 | 1.7 | 3.0  |
|                                                                                       | 5                                          | 116 | 2.1 | 2.1 | 5                                           | 76  | 2.7 | 2.4 | 2.9 | 2.5                                       | 79  | 2.8 | 1.8 | 4.3  | 4                                         | 70  | 2.9 | 2.3 | 4.0  |
|                                                                                       | 6                                          | 81  | 2.5 | 2.5 | 6                                           | 53  | 3.2 | 2.9 | 3.5 | 3.0                                       | 55  | 3.3 | 2.2 | 5.2  | 5                                         | 45  | 3.6 | 2.8 | 5.0  |
| Q50 MR16 / C / FL40<br>Beam Spread = 40°<br>CBCP = 1,700<br>Rated Life = 6,000 Hrs.   | 3                                          | 213 | 2.0 | 2.0 | 3                                           | 181 | 2.1 | 2.0 | 1.7 | 1.5                                       | 259 | 1.1 | 1.3 | 2.6  | 2                                         | 274 | 1.3 | 1.5 | 2.0  |
|                                                                                       | 4                                          | 120 | 2.7 | 2.7 | 4                                           | 102 | 2.8 | 2.7 | 2.3 | 2.0                                       | 146 | 1.5 | 1.7 | 3.5  | 3                                         | 122 | 2.0 | 2.3 | 3.0  |
|                                                                                       | 5                                          | 77  | 3.4 | 3.4 | 5                                           | 65  | 3.5 | 3.4 | 2.9 | 2.5                                       | 93  | 1.9 | 2.2 | 4.3  | 4                                         | 68  | 2.6 | 3.0 | 4.0  |
|                                                                                       | 6                                          | 53  | 4.0 | 4.0 | 6                                           | 45  | 4.2 | 4.1 | 3.5 | 3.0                                       | 65  | 2.3 | 2.6 | 5.2  | 5                                         | 44  | 3.3 | 3.8 | 5.0  |
| Q71 MR16 / C / NSP15<br>Beam Spread = 15°<br>CBCP = 11,000<br>Rated Life = 4,000 Hrs. | 6                                          | 306 | 1.6 | 1.8 | 6                                           | 198 | 2.0 | 1.8 | 3.5 | 3                                         | 194 | 2.3 | 1.3 | 5.2  | 4                                         | 276 | 1.8 | 1.3 | 4.0  |
|                                                                                       | 8                                          | 172 | 2.2 | 2.4 | 8                                           | 112 | 2.6 | 2.4 | 4.6 | 4                                         | 109 | 3.1 | 1.8 | 6.9  | 6                                         | 123 | 2.7 | 1.9 | 6.0  |
|                                                                                       | 10                                         | 110 | 2.7 | 3.0 | 10                                          | 71  | 3.3 | 3.0 | 5.8 | 5                                         | 70  | 3.9 | 2.2 | 8.7  | 8                                         | 69  | 3.6 | 2.6 | 8.0  |
|                                                                                       | 12                                         | 76  | 3.2 | 3.6 | 12                                          | 50  | 3.9 | 3.6 | 6.9 | 6                                         | 48  | 4.7 | 2.7 | 10.4 | 10                                        | 44  | 4.5 | 3.2 | 10.0 |
| Q71 MR16 / C / NFL25<br>Beam Spread = 25°<br>CBCP = 4,950<br>Rated Life = 7,000 Hrs.  | 4                                          | 309 | 1.7 | 1.7 | 4                                           | 223 | 2.1 | 1.9 | 2.3 | 2                                         | 257 | 1.7 | 1.3 | 3.5  | 3                                         | 256 | 1.9 | 1.5 | 3.0  |
|                                                                                       | 6                                          | 137 | 2.5 | 2.5 | 6                                           | 99  | 3.1 | 2.8 | 3.5 | 3                                         | 114 | 2.5 | 1.9 | 5.2  | 4                                         | 144 | 2.6 | 2.1 | 4.0  |
|                                                                                       | 8                                          | 77  | 3.4 | 3.4 | 8                                           | 56  | 4.1 | 3.7 | 4.6 | 4                                         | 64  | 3.4 | 2.6 | 6.9  | 5                                         | 92  | 3.2 | 2.6 | 5.0  |
|                                                                                       | 10                                         | 49  | 4.2 | 4.2 | 10                                          | 36  | 5.2 | 4.6 | 5.8 | 5                                         | 41  | 4.2 | 3.2 | 8.7  | 6                                         | 64  | 3.9 | 3.1 | 6.0  |
| Q71 MR16 / C / FL40<br>Beam Spread = 40°<br>CBCP = 2,000<br>Rated Life = 4,000 Hrs.   | 3                                          | 236 | 2.1 | 2.1 | 3                                           | 200 | 2.2 | 2.1 | 1.7 | 1.5                                       | 286 | 1.2 | 1.3 | 2.6  | 2                                         | 301 | 1.4 | 1.5 | 2.0  |
|                                                                                       | 4                                          | 133 | 2.8 | 2.8 | 4                                           | 112 | 2.9 | 2.8 | 2.3 | 2.0                                       | 161 | 1.6 | 1.8 | 3.5  | 3                                         | 134 | 2.2 | 2.3 | 3.0  |
|                                                                                       | 5                                          | 85  | 3.4 | 3.4 | 5                                           | 72  | 3.6 | 3.5 | 2.9 | 2.5                                       | 103 | 2.0 | 2.2 | 4.3  | 4                                         | 75  | 2.9 | 3.1 | 4.0  |
|                                                                                       | 6                                          | 59  | 4.1 | 4.1 | 6                                           | 50  | 4.4 | 4.2 | 3.5 | 3.0                                       | 71  | 2.5 | 2.6 | 5.2  | 5                                         | 48  | 3.6 | 3.8 | 5.0  |